U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 73

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 37, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee	In accordance with letter dated **June 4, 2014,**
1. QHG of Indiana, Inc.	3. License No. 13-01535-01 is amended in its entirety to read as follows:
2. 7950 West Jefferson Blvd. Fort Wayne, Indiana 46804-1677	4. Expiration Date: June 30, 2015
	5. Docket No. 030-01594 Reference No.

6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
A. Any byproduct material permitted by 10 CFR 35.100	A. Any	A. As needed
B. Any byproduct material permitted by 10 CFR 35.200	B. Any	B. As needed
C. Any byproduct material permitted by 10 CFR 35.300	C. Any	C. 1 curie
D. Iodine-125 permitted by 10 CFR 35.400	D. Sealed sources (North American Scientific, Inc., Model MED 3631; Draximage, Inc., Brachyseed Model LS-1; Bard Model STM1251; Best Industries, Model 2301; Implant Sciences Corp., I-Plant, Model 3500; IsoAid, LLC, Model IAI-125A; and Mills Biopharmaceuticals, Inc., Models SL-125 and SH-125)	D. 1 curie
E. Palladium-103 permitted by 10 CFR 35.400	E. Sealed sources (North American Scientific, Inc., Model MED 3633; Best Medical International Inc., Model 2335; and Theragenics Corp. Theraseed, Model 200)	E. 1 curie

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F. Cesium-131 permitted by 10 CFR 35.400	F. Sealed sources (IsoRay Medical Inc. Model #CS-1)	F. 1 curie
G. Any byproduct material permitted by 10 CFR 35.500	G. Sealed sources (North American Scientific, Inc., Models MED 3601 and Du Pont Merck Pharmaceutical Company NES-8412)	G. 300 millicuries per source and 1200 millicuries total
H. Any byproduct material permitted by 10 CFR 31.11	H. Prepackaged kits	H. 1 millicurie
I. Yttrium-90 permitted by 10 CFR 35.1000	I. Sealed sources (MDS Nordion, Model TheraSphere)	I. 2 curies, not to exceed 540 millicuries per source
J. Yttrium-90 permitted by 10 CFR 35.1000	J. Sealed sources as SIR-Spheres (AEA Technology QSA, Inc.)	J. 2 curies

9. Authorized use:

A. Any uptake, dilution and excretion study permitted by 10 CFR 35.100.

B. Any imaging and localization study permitted by 10 CFR 35.200.

C. Any diagnostic study or therapy procedure permitted by 10 CFR 35.300.

D. through F. Any manual brachytherapy procedure permitted by 10 CFR 35.400.

G. Diagnostic medical use of sealed sources permitted by 10 CFR 35.500 in compatible devices registered pursuant to 10 CFR 30.32(g).

H. *In vitro* studies.

I. Medical use permitted by 10 CFR 35.1000.

J. Medical use permitted by 10 CFR 35.1000 in a Sirtex Medical Limited brachytherapy afterloader delivery system.

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CONDITIONS

10. Licensed material may be used or stored only at the licensee's facilities located at 7950 West Jefferson Boulevard, Fort Wayne, Indiana and 7916 West Jefferson Blvd, Fort Wayne, Indiana.

11. The Radiation Safety Officer (RSO) for this license is Randall J. Phillips, M.D.

12. Licensed material is only authorized for use by, or under the supervision of:

A. Individuals permitted to work as an authorized user in accordance with 10 CFR 35.13 and 35.14.

B. The following individuals are authorized users for medical use as indicated:

Authorized User	Material and Use
Brett A. Hagedorn, M.D.	10 CFR 35.100, 35.200, 35.300, and 35.500.
John Rock, M.D.	10 CFR 35.100, 35.200, and 31.11.
Rik Stephens, M.D	10 CFR 35.100, 35.200, 35.300, 35.500, and 31.11.
James C. Wehrenberg, M.D	10 CFR 35.100, 35.200, 35.500, and 31.11.
James A. Arata, M.D	10 CFR 35.100, 35.200, 35.300, 35.500, and 31.11.
David B. Janizek, M.D.	10 CFR 35.100, 35.200, 35.300, 35.500, and 31.11.
Christine Anne Tremper, M.D.	10 CFR 35.100, 35.200, 35.300 (limited to the oral administration of sodium iodide I-131 in quantities equal to or less than 33 millicuries), and 35.500.
Randall J. Phillips, M.D.	10 CFR 35.100, 35.200, 35.300, 35.500, 31.11, and yttrium-90, limited to TheraSpheres, permitted by 35.1000 and yttrium-90 SIR-spheres in a Sirtex Medical Limited brachytherapy afterloader delivery system.
John Pasalich, M.D.	10 CFR 35.100, 35.200, 35.300, and 35.500.
Stephen R. Phillip, M.D.	10 CFR 35.100, 35.200, 35.300, and 35.500.
Marc Thomas, M.D.	10 CFR 35.100, 35.200, 35.300, and 35.500.
John L. Bormann, M.D.	10 CFR 35.100, 35.200, 35.300, and 35.500.
Michael E. Parker, M.D.	10 CFR 35.100, 35.200, 35.300, and 35.500.
Pamela Lee Strange, M.D.	10 CFR 35.100, 35.200, 35.300, and 35.500.

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Authorized User	Material and Use
Joseph R. Decamp, M.D.	10 CFR 35.100, 35.200, 35.300 (**limited to** oral administration of sodium iodide I-131 in quantities equal to or less than 33 millicuries), and 35.500.
Frederick N. Vandeman, M.D.	10 CFR 35.100, 35.200, 35.300 (**limited to** oral administration of sodium iodide-131 in quantities equal to or less than 33 millicuries), and 35.500.
Andre Byard Stovall, M.D.	10 CFR 35.100, 35.200, 35.300, 35.500 and yttrium-90, limited to TheraSpheres, permitted by 35.1000.
Christopher Michael Kowalski, M.D.	10 CFR 35.100, 35.200, and 35.500.
Richard W. Sibley, M.D.	10 CFR 35.100, 35.200, 35.300, and 35.500.
Dakshesh S. Patel, M.D.	10 CFR 35.100, 35.200, and 35.500.
Eric V. Heatwole, M.D.	10 CFR 35.100, 35.200, and 35.500.
Shilpa Kashyap, M.D.	10 CFR 35.100, 35.200, and 35.500.
Deepchand Bajpai, M.D.	10 CFR 35.300 and 35.400.
Rao V. P. Mantravadi, M.D.	10 CFR 35.300 and 35.400.
Stephen Beyer, M.D	10 CFR 35.300.
Shawn Johnson, M.D	10 CFR 35.100, 35.200, 35.300.
John C. Lacunza, M.D	10 CFR 35.100 and 35.200.
Daniel Branam, M.D.	10 CFR 35.100, 35.200 and 35.300 (limited to the oral administration of sodium iodide I-131 in quantities less than or equal to 33 millicuries).
Jonathon Berger, M.D.	10 CFR 35.100 and 35.200.
Eugene Shih, M.D.	10 CFR 35.100 and 35.200.
Peter C. Hanley, M.D.	10 CFR 35.100 and 35.200.
Ravi No. Bathina, M.D.	10 CFR 35.100 and 35.200.
Sanjiv G. Aggarwal, M.D.	10 CFR 35.100 and 35.200.
Scott E. Mattson, D.O.	10 CFR 35.100 and 35.200.
Revati J. Ghatnekar, M.D.	10 CFR 35.100 and 35.200.

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Authorized User	Material and Use
Krishnan Ramani, M.D.	10 CFR 35.200.
Mark A. Meier, M.D.	10 CFR 35.200.
Venkata Rama Prasad Nalamolu, M.D.	10 CFR 35.200.
Sabeena Ramrakhiani, M.D.	10 CFR 35.100 and 35.200.
Thomas S. Chung, M.D.	10 CFR 35.300 and 35.400.
Jeffery J. Freeman, M.D.	10 CFR 100, 200, and 300 (limited to the oral administration of sodium iodide I-131).
Ryan Buss, M.D.	10 CFR 35.100, 35.200, 35.300 (limited to the oral administration of sodium iodide I-131).
Andrew V. Barger, M.D.	10 CFR 35.100, 35.200, and 35.300 (limited to the oral administration of sodium iodide I-131 in quantities less than or equal to 33 millicuries).
Nathan D. Comsia, M.D.	10 CFR 35.400.
Richard B. Collins, D.O.	10 CFR 35.100 and 35.200.
Benjamin A. Tourkow, M.D.	10 CFR 35.100, 35.200, and 35.300 (limited to the oral administration of sodium iodide I-131 in quantities less than or equal to 33 millicuries).
Vivek Sharma, M.D.	10 CFR 35.100 and 35.200.
Mark A. Brinkman, M.D.	10 CFR 35.100, 35.200, and 35.300 (limited to the oral administration of sodium iodide I-131 in quantities less than or equal to 33 millicuries).
Andrew J. Norton, M.D.	10 CFR 35.100 and 35.200.
Mark C. Ranck, M.D.	10 CFR 35.400.
Wesley A. Russell, M.D.	10 CFR 35.400.
Indu Rekha Meesa, M.D.	**10 CFR 35.100, 35.200, 35.300 (limited to the oral administration of sodium iodide I-131).**

13. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

14. The manufacturer's training for TheraSpheres shall include operation of the delivery system, safety procedures, and clinical use of TheraSpheres.

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15. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. Additionally, this license condition does not limit the licensee's ability to make changes to the radiation protection program as provided for in 10 CFR 35.26. The U. S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

A. Application dated November 16, 2004;

B. Facsimiles dated May 10, 2005, and September 20, 2007; and,

C. Letters dated June 26, 2007, July 14, 2009, October 23, 2009, April 27, 2010, and September 2, 2010.

FOR THE U. S. NUCLEAR REGULATORY COMMISSION

Date AUG 21 2014

By Dennis P. O'Dowd

Dennis P. O'Dowd
Materials Licensing Branch
Region III